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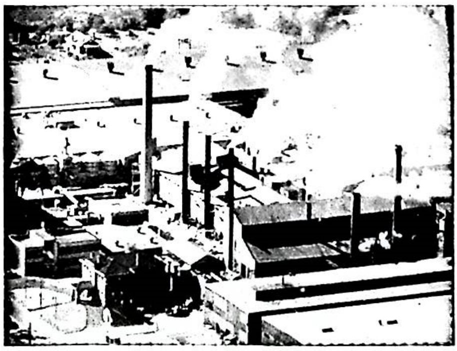
OWENS-CORNING
FIBERGLAS
T.M. REG. U.S. PAT. OFF.

commercial and institutional buildings

residential buildings



industrial buildings

# insect screening

A.I.A. FILE NO. 35-P-1

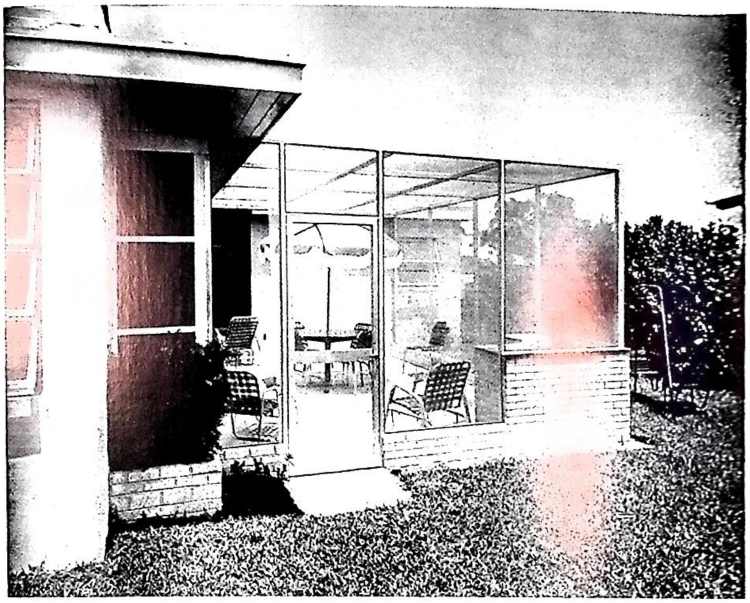
OWENS-CORNING
**FIBERGLAS**

# insect screening

*In the manufacture of Fiberglas* screening, glass filaments 15 times finer than human hair, yet with a tensile strength measuring over 250,000 pounds per square inch are twisted and plied into a glass core that retains the outstanding qualities of pure glass. Then, a coating of high quality vinyl is fused around these filaments. The coated glass is then woven into a flexible but remarkably strong screen cloth . . . the strongest screening ever made. For maximum performance at lowest cost, Fiberglas screening should be specified whether the construction be residential, commercial, institutional or industrial. Only Fiberglas screening combines all of the properties required in screening.*

*T.M. (Reg. U.S. Pat. Off.) O-C.F C.

OWENS-CORNING FIBERGLAS CORPORATION
TEXTILE PRODUCTS DIVISION, 598 MADISON AVENUE
NEW YORK 22, NEW YORK



A "Fiberglas screened-in" porch presents an attractive final appearance to this residential application.

## advantages

In roll form, for installation on job, or in prime windows, combination windows, or porch enclosures, Fiberglas Insect Screening offers the following benefits:

**impact resistance:** The superior strength of Fiberglas Screening enables it to withstand shocks which would bulge ordinary screening. Its flexibility eliminates dents and marks prevalent in metal screening. These properties are maintained after prolonged exposure to the elements assuring long trouble-free service.

**rust and corrosion resistance:** Fiberglas Screening is not affected by salt air and thus is ideal for coastal regions. Its resistance to smoke and fumes makes it particularly suitable for industrial areas. Since it cannot rust or corrode there are no by-products to cause staining of sills and sidewalls—thus eliminating the periodic need for repainting.

**fire and heat resistance:** Unaffected by wide variations in temperature, Fiberglas Screening cannot shrink under heat or be punctured by lighted cigarettes as can plastic screening.

**no shrink or stretch:** Being dimensionally stable, Fiberglas Screening cannot shrink or stretch assuring firm, attractive-looking screens at all times. (Because it cannot stretch it should always be fastened securely in the frame so it won't pull loose.)

**easy to install:** Fiberglas Screening is easy to handle and install. It is lightweight, soft and flexible and cannot crease. It has no sharp edges that might cut or scratch the hands. The weave is fused to prevent fraying of cut edges or distortion of the mesh.

**choice of colors:** Available in four colors—grey, green, antique bronze and aquamarine.

## physical properties

**widths:**

Standard commercial widths are 24, 26, 28, 30, 32, 36, 42, 48, 60 and 72 inches.

**mesh:**

Standard 18 x 14—with visibility superior to conventional screen cloth.

**yarn diameter:**

The average diameter is .0125 inches permitting free passage of light and air.

**weight:**

Four pounds per hundred square feet—the lightest screening made.

**effect of heat and flame:**

Will not support combustion. The screening retains its properties from -60°F. to 300°F. Essentially no expansion or contraction—cannot cause warping of screen frames.

**effect of alkalies, acids, organic solvents, salt water and sunlight:**

Essentially none—no rust or corrosion.

**dimensional stability:**

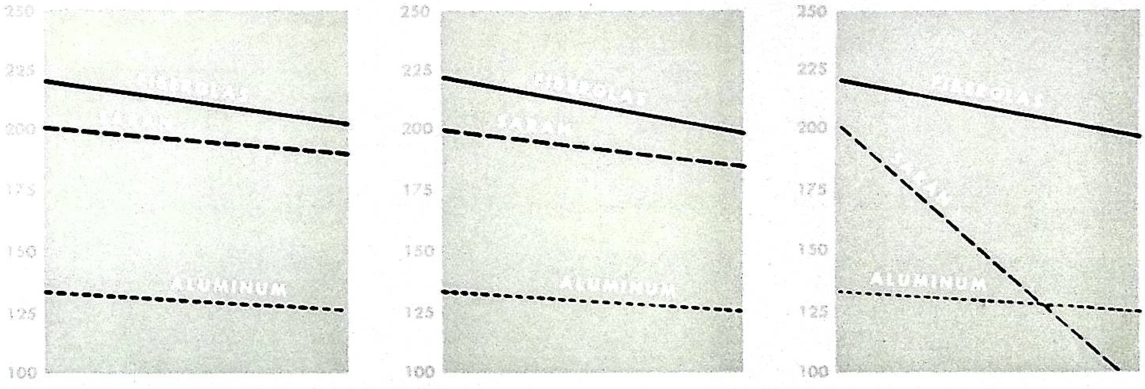
Neither force, temperature variations nor moisture can cause shrinking or stretching.

**strength:**

Yarn tensile strength is over 140,000 pounds per square inch giving Fiberglas screening a higher burst strength than that of any conventional screen cloth. Under procedures outlined in Federal Specification L-S-137, tests were conducted to determine comparative bursting strengths of Fiberglas, plastics and aluminum screening with the following results.

### *burst strength*

*(After 480 hours in $H_2O$)* *(After 240 hrs. accelerated weathering)* *(After heat aging 24 hrs. at 300° F.)*

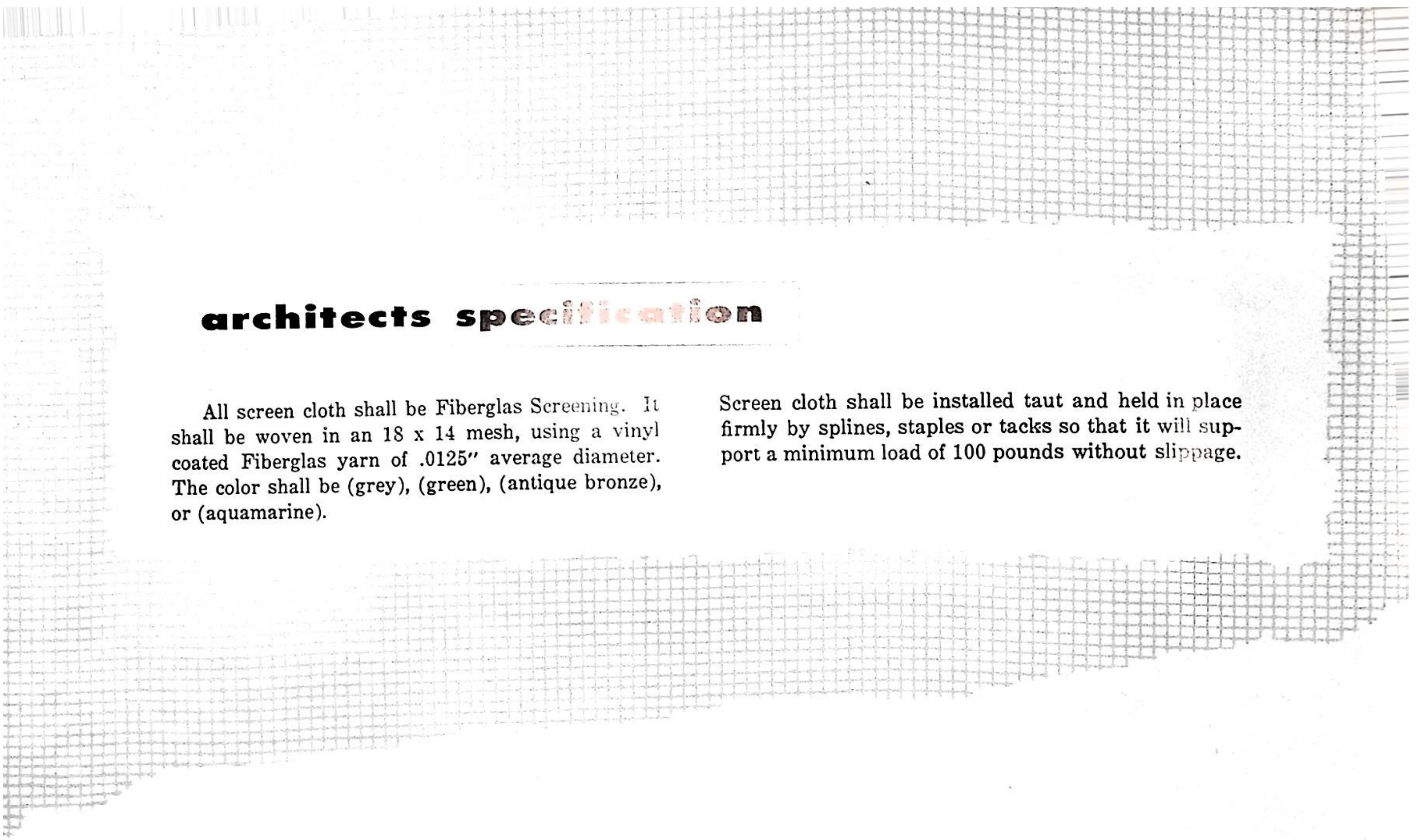


## testing results

*Fiberglas Screening has been subjected to extensive tests in both the laboratory and in the field.*

**1.** Exhaustive tests conducted by Owens-Corning Fiberglas Corporation, independent testing laboratories and manufacturers of screen cloth and screens have confirmed the excellent resistance of Fiberglas Screening to all climates, heat, moisture and fire. As a result of this extensive testing program the performance of Fiberglas Screening has been proven beyond question.

**2.** Several years of laboratory testing by the U. S. Army Corps of Engineers resulted in Federal Spec. L-S-137. Outdoor tests at points from Panama to Canada have revealed no deterioration after five years and have led to the recommendation that Fiberglas Screening be specified wherever climate is a problem.



## architects specification

All screen cloth shall be Fiberglas Screening. It shall be woven in an 18 x 14 mesh, using a vinyl coated Fiberglas yarn of .0125″ average diameter. The color shall be (grey), (green), (antique bronze), or (aquamarine). Screen cloth shall be installed taut and held in place firmly by splines, staples or tacks so that it will support a minimum load of 100 pounds without slippage.

**OWENS-CORNING FIBERGLAS SCREENING**

**STRONGEST EVER MADE!**

*All manufacturers of window units can install Fiberglas Screening.*

**Owens-Corning Fiberglas Corporation**

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